CAMCCO-L

Artificial Intelligence in Perinatal Research: From Foundations to Frontiers

Course Syllabus   *2024-2025*

ONLINE COURSE

MODULE 6
Machine Learning

DATE/TIME
Thursday, May 8th, 2025
13:30 to 15:30 EDT

LANGUAGE
English

FREE REGISTRATION
www.camccol.com

PRESENTED BY

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DESCRIPTION

This course will provide a comprehensive journey through the historical development of artificial intelligence (AI), showcasing its pivotal role in enabling advancements in perinatal research. Attendees will gain insights into applied examples, including the use of health administrative data for maternal-fetal healthcare and computer vision applications for outcome prediction using ultrasound imaging. The session will conclude with a visionary framework for the future of AI in medicine and practical guidance for conceptualizing future AI research studies.

LEARNING OBJECTIVES

- Understand the historical evolution of AI and its impact on healthcare, with a focus on perinatal research

- Analyze real-world applications of AI in maternal-fetal healthcare and computer vision techniques for ultrasound-based outcome prediction

- Develop a forward-looking perspective on AI in medicine, including strategies for designing impactful AI research studies based on emerging trends